POTENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

I To:

Commissioner
US Department of Commerce
United States Patent and Trademark

Office, PCT

2011 South Clark Place Room

CP2/5C24

Arlington, VA 22202

ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 14 February 2001 (14.02.01)	in its capacity as elected Office		
International application No. PCT/GB00/01856	Applicant's or agent's file reference MGH/MG/P10681PC		
International filing date (day/month/year) 18 May 2000 (18.05.00)	Priority date (day/month/year) 19 May 1999 (19.05.99)		
Applicant			
ADESUYI, Charles, Tokunbo et al			

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	24 November 2000 (24.11.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Olivia TEFY

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2	of Transmittal of International Search Report 20) as well as, where applicable, item 5 below.				
MGH/MG/P10681PC International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
		10/05/1000				
PCT/GB 00/01856 18/05/2000 19/05/1999						
Applicant						
CENES DRUG DELIVERY LIMIT	ED at al					
CENES DRUG DELIVERY LIMIT	ED et al.					
This International Search Report has bee according to Article 18. A copy is being tr	on prepared by this International Searching Autlansmitted to the International Bureau.	nority and is transmitted to the applicant				
This International Search Report consists [X] It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	report.				
Basis of the report						
	international search was carried out on the bar less otherwise indicated under this item.	sis of the international application in the				
the international search v Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of t	he international application furnished to this				
was carried out on the basis of th	e sequence listing:	nternational application, the international search				
: '	onal application in written form.	_				
	ernational application in computer readable for	n.				
	o this Authority in written form.					
	o this Authority in computer readble form. bsequently furnished written sequence listing d	loes not go beyond the disclosure in the				
international application a	as filed has been furnished.					
the statement that the inf furnished	ormation recorded in computer readable form i	s identical to the written sequence listing has been				
	und unsearchable (See Box I).					
3. Unity of invention is lac	eking (see Box II).					
4. With regard to the title ,	•	-				
	ubmitted by the applicant.					
1 🔛 ''	shed by this Authority to read as follows:					
5. With regard to the abstract,						
	ubmitted by the applicant.					
the text has been establi within one month from th	shed, according to Rule 38.2(b), by this Author e date of mailing of this international search re	ity as it appears in Box III. The applicant may, port, submit comments to this Authority.				
6. The figure of the drawings to be pub	lished with the abstract is Figure No.					
as suggested by the app	licant.	X None of the figures.				
because the applicant fa	iled to suggest a figure.					
because this figure better characterizes the invention.						

INTEGRATIONAL SEARCH REPORT

national Application No PCT/GB 00/01856

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K9/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, CHEM ABS Data

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
EP 0 551 820 A (BAYER) 21 July 1993 (1993-07-21) claims 1-3.7	1,2,6,7, 13-16
page 4, line 9 - line 18	7–11
EP 0 583 726 A (KALI-CHEMIE) 23 February 1994 (1994-02-23) claim 1 column 5, line 22 - line 41	7–11
WO 93 00093 A (BIOAVAIL) 7 January 1993 (1993-01-07) the whole document	1-16
	EP 0 551 820 A (BAYER) 21 July 1993 (1993-07-21) claims 1-3,7 page 4, line 9 - line 18 EP 0 583 726 A (KALI-CHEMIE) 23 February 1994 (1994-02-23) claim 1 column 5, line 22 - line 41 W0 93 00093 A (BIOAVAIL) 7 January 1993 (1993-01-07)

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
1 November 2000	08/11/2000
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Ventura Amat, A

INTERNATIONAL SEARCH REPORT

mation on patent family members

national Application No PCT/GB 00/01856

	tent document in search report		Publication date		Patent family member(s)		Publication date
EP	551820		21-07-1993	DE	4200821	Α	22-07-1993
				AT		T	15-11-1999
				AU	670763	В	01-08-1996
				AU	3113893		22-07-1993
				CA	2087146		16-07-1993
				CN	1074603		28-07-1993
				CZ	283787		17-06-1998
				DE		D	09-12-1999
				ES	2141117	Ť	16-03-2000
				GR	3032382	Ť	27-04-2000
				HU	64693		28-02-1994
				HU	211154		30-10-1995
							15-04-1997
				IL	104362		
				JP	5255072		05-10-1993
				MX		A	30-07-1993
			•	NZ	245658		24-02-1995
				PL	175569		29-01-1999
				RU	2110255		10-05-1998
				SK	372092		10-05-1995
				US	5695784		09-12-1997
				ZA	9300234	A 	16-08-1993
EP	583726	 А	23-02-1994	DE	4227385	Α	24-02-1994
				AT	145326	T	15-12-1996
				CA	2101086	Α	20-02-1994
				CZ	9301709		16-03-1994
				DE	59304520		02-01-1997
				DK	583726	T	09-12-1996
				ES	2094431	T	16-01-1997
				GR	3021841	Ť	28-02-1997
				HÜ	67578		28-04-1995
				HU	9500413	A	28-09-1995
				JP	2697754		14-01-1998
				JP	6172210		21-06-1994
				MX	9305029		29-07-1994
				SK	87493		06-04-1994
				US	5378462		03-01-1995
					9305085		04-02-1994
				ZA 	3303063 		04-02-1394
WO	9300093	Α	07-01-1993	US	5288505		22-02-1994
	•			AT	184196		15-09-1999
				AU	2243092		25-01-1993
				CA	2111085		07-01-1993
				DE	69229949		14-10-1999
				DE	69229949		09-03-2000
				DK	591424	T	20-12-1999
				EP	0591424		13-04-1994
				ÜS	5529791		25-06-1996

PATENT COOPERATION TREATY





From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

McCALLUM, William Potter et al. CRUIKSHANK & FAIRWEATHER 19 Royal Exchange Square Glasgow G1 3AE, Scotland GRANDE BRETAGNE

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing (day/month/year)

03.07.2001

Applicant's or agent's file reference MGH/SJB/P10681PC

International application No.

PCT/GB00/01856

International filing date (day/month/year)

Priority date (day/month/year)

IMPORTANT NOTIFICATION

18/05/2000

19/05/1999

Applicant

CENES DRUG DELIVERY LIMITED et al.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

Authorized officer

European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Houyez-Stevens, M

Fax: +49 89 2399 - 4465

Tel.+49 89 2399-8163





PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applican	t's or a	gent's file reference	Γ		O News-		
1	`	10681PC	FOR FURTHER AC	CTION		ation of Transmittal of International Examination Report (Form PCT/IPEA	V416)
Internation	onal ap	olication No.	International filing date (d	day/month	n/year)	Priority date (day/month/year)	
PCT/G	B00/0	1856	18/05/2000			19/05/1999	
Internation A61K9		ent Classification (IPC) or nat	ional classification and IPC				
Applicant	t						
CENES	DRU	G DELIVERY LIMITED	et al.				
1. This	intern is tran	national preliminary examin smitted to the applicant ac	nation report has been pecording to Article 36.	prepared	by this Inte	rnational Preliminary Examining A	uthority
2. This	REPO	ORT consists of a total of	6 sheets, including this	cover st	neet.		
	been a	eport is also accompanied amended and are the basi Rule 70.16 and Section 60	s for this report and/or :	sheets c	ontaining red	n, claims and/or drawings which ha ctifications made before this Autho e PCT).	ave ority
The	se ann	exes consist of a total of	sheets.				
	_	contains indications relati	ing to the following item	s:			
 }	_	Basis of the report Priority					
,, !!!	_	•	inion with regard to nov	elty inv	antivo eton a	and industrial applicability	
 IV	_		nion with regard to novelty, inventive step and industrial applicability				
V		•	der Article 35(2) with re	gard to n	ovelty, inver	ntive step or industrial applicability	r ;
VI		Certain documents cited	!				
VII	\boxtimes	Certain defects in the inte	ernational application				
VIII		Certain observations on	the international applica	ation			
Date of su	bmissic	on of the demand		Date of c	ompletion of th	nis report	
24/11/20	000			03.07.20	01		
	y exami	address of the international ning authority: pean Patent Office		Authorize	d officer	(state of the sta	SOES MICHAELS
<i>)</i>))		298 Munich +49 89 2399 - 0 Tx: 523656 e	epmu d	Vayssié	, S	ES SAI A	
Fax: +49 89 2399 - 4465				T-1	- N- 10 00 i	App. 13	Oun: 30:50 F

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/GB00/01856

i.	Ва	sis of the report	
1.	the and	receiving Office in	ments of the international application (Replacement sheets which have been furnished to response to an invitation under Article 14 are referred to in this report as "originally filed" to this report since they do not contain amendments (Rules 70.16 and 70.17)):
	1-1	8	as originally filed
	Cla	ims, No.:	
	1-1	6	as originally filed
	Dra	awings, sheets:	
	1/7	-7/7	as originally filed
2.			guage, all the elements marked above were available or furnished to this Authority in the international application was filed, unless otherwise indicated under this item.
	The	ese elements were a	available or furnished to this Authority in the following language: , which is:
		the language of a	translation furnished for the purposes of the international search (under Rule 23.1(b)).
		the language of pu	ublication of the international application (under Rule 48.3(b)).
		the language of a 55.2 and/or 55.3).	translation furnished for the purposes of international preliminary examination (under Rule
3.			eleotide and/or amino acid sequence disclosed in the international application, the yexamination was carried out on the basis of the sequence listing:
		contained in the in	ternational application in written form.
		filed together with	the international application in computer readable form.
		furnished subsequ	ently to this Authority in written form.
		furnished subsequ	ently to this Authority in computer readable form.
			t the subsequently furnished written sequence listing does not go beyond the disclosure in pplication as filed has been furnished.
		The statement that listing has been full	t the information recorded in computer readable form is identical to the written sequence rnished.

☐ the description,

☐ the claims,

4. The amendments have resulted in the cancellation of:

pages:

Nos.:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/GB00/01856

		the drawings,	sheets:				
5.		This report has been established as if (some of) the amendments had not been made, since they have beer considered to go beyond the disclosure as filed (Rule 70.2(c)):					
		(Any replacement she report.)	eet contai	ining such	amendments must be referred to under item 1 and annexed to this		
6.	Add	litional observations, if	necessa	ry:			
V.		soned statement und tions and explanatio			ith regard to novelty, inventive step or industrial applicability;		
	citat						
	citat State	tions and explanatio		orting suc			
	citat State Nove	tions and explanatio ement	n s supp o Yes:	orting suc Claims	1-16		

2. Citations and explanations see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted: see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

Section V

>

a) Documents of the State of the Art

Reference is made to the following documents:

D1: EP-A-0 551 820 (BAYER) 21 July 1993 (1993-07-21)

D2: EP-A-0 583 726 (KALI-CHEMIE) 23 February 1994 (1994-02-23)

b) Industrial Applicability

All claims fulfill the requirements of Article 33(4) PCT.

c) Novelty and Inventive Step

Claims 1-16

Novelty and inventive step of independent Claim 1

As far as the independent product Claim 1 is concerned, the closest state of the art is considered to be D1, which discloses a controlled release pellet (see Claim 1) comprising (see examples 25 and 27):

- a core containing an pharmaceutically active agent (see Claim 1)
- a coating around the core and comprising a water soluble cellulose (see Claim 3 and page 4, lines 42-56) and a water insoluble acrylic polymer (see Claims 2-3).

Therefore, the subject-matter of the invention according to this independent claim only differs from the state of the art in that a PEG is contained in the core (in the examples cited, a PEG is present in the coating).

Therefore, this independent claim fulfills the requirements for novelty of Article 33(2) PCT and the same applies for dependent Claims 2-16.

The technical problem solved by the invention was thus to provide a controlled-release pellet. The compositions of D1 are for immediate release. However, it is common knowledge to introduce PEGs in solid-dosage compositions to control their release rate, especially to use high molecular weight PEG to prolong disintegration, as, for instance, reflected in:

Handbook of pharmaceutical Excipients, Pub. American Pharmaceutical Association, Washington

EXAMINATION REPORT - SEPARATE SHEET

1986/1994/2000

The person skilled in the art would even have found in D1 a confirmation of his previous motivation to use PEGs on page 4, lines 9 and 12-13, as the mechanical properties of the solid composition are related to the release rate.

Therefore, in order to solve this problem and being aware to introduce PEGs in solid-dosage compositions to control their release rate, the skilled person of the art would have been able to combine D1 with this teaching and would therefore have obtained the invention according to this independent claim.

Therefore, the present invention does not meet the requirements of Article 33(3) PCT, because the subject-matter of this independent claim does not involve an inventive step.

Novelty and Inventive Step of dependent Claims

The subject-matter of:

- Claims 2-3, 5-6, 8-9, 13 and 15-16 lacks inventive step (see above citations and page 6, line 37; page 4, lines 10-16)
- Claims 4, 7, 12, 14 lacks inventive step, as the additional technical features are regarded as falling within the scope of customary activities of the skilled person and do not appear to result in any unexpected effect
- Claims 10-11 lacks inventive step, as the additional technical features are known for the same purpose. See D2: Claim 1 and example.

Therefore, these dependent Claims do not appear to contain additional technical features which, in combination with the features of any claim to which they refer, might establish novelty and inventive step over the prior art (Articles 33(2) and (3) PCT). In any case, dependent claims can only meet the criteria of Article 33 (2)-(4) PCT in combination with an independent claim meeting the same requirements (Rule 6.4 PCT).

Section VII

)

- Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the above-mentionned document D1 is not mentioned in the description, nor is this document identified therein.
- Should in the future further (new) applications be filed, the attention of the representative Patent

INTERNATIONAL PRELIMINARY International application No. PCT/GB00/01856 EXAMINATION REPORT - SEPARATE SHEET

Attorney is drawn to the fact that line numbering greatly facilitates the report work of the International Examining Authority and would therefore be highly appreciated (Rule 11.8 (a) PCT). The filing of completely retyped documents is, however, in this case, not expected for reasons of procedural economy.

For receiving Office use only	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International	Application**

REQUEST	International Filing Date				
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"				
	Applicant's or agent's file (if desired) (12 characters ma	e reference MGH/MG/P	10681PC		
Box No. I TITLE OF INVENTION RELEASE OF PO	ORLY SOLUBLE	AGENTS			
Box No. II APPLICANT					
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of cou address indicated in this Bax is the applicant's State (that is, country of residence is indicated below.)	legal entity, full official intry. The country of the y) of residence if no State	This person is also	inventor.		
CENES DRUG DELIVERY LIMITED		Telephone No.			
RIVERSIDE WAY RIVERSIDE BUSINESS PARK		Facsimile No.			
IRVINE KA11 5DJ UNITED KINGDOM		Teleprinter No.			
State (that is, country) of nationality: GB	State (that is, country) of	residence: GB			
This person is applicant all designated all designate for the purposes of:			es indicated in plemental Box		
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)				
Name and address: (Family name followed by given name; for a designation. The address must include postal code and name of cou address indicated in this Box is the applicant's State (that is, country of residence is indicated below.) ADESUYI Charles Tokunbo Flat 3/4 341 Victoria Road	legal entity, full official ntry. The country of the e) of residence if no State	This person is: applicant only applicant and inverting inventor only (If this			
Glasgow G72 7SA UNITED KINGDOM		is marked, do not fill i	n below.)		
State (that is, country) of nationality: NIGERIA	State (that is, country) of GB				
			es indicated in plemental Box		
Further applicants and/or (further) inventors are indicated on a continuation sheet.					
Box No. IV AGENT OR COMMON REPRESENTATIVE		ORRESPONDENCE			
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	on behalf as:	gent common re	presentative		
Name and address: McCALLUM, William Potter; MacDOUGALL, D	onald Carmichael;	SZCZUKA, Jan	Telephone No. 0141 221 5767		
Tymoteusz; NAISMITH, Robert Stewart; HORN Andrew; NEWELL, Campbell; KERR, Sheila A	NER,Martin Grenvil	le, SHANKS,	Facsimile No. 0141 221 7739		
GODWIN, Edgar James; all of CRUIKSHANK & FAIRWEATHER, 19 ROYA GLASGOW G1 3AE, UNITED KING	L EXCHANGE SQ GDOM (GB)	UARE,	Telep rinter No.		
Address for correspondence: Mark this check-box where		sentative is/has been appointe	ed and the		

space above is used instead to indicate a special address to which correspondence should be sent.

Form PCT/RO/101 (first sheet) (July 1998; reprint January 2000)

See Notes to the request form

		2
heet	Nο	_

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)					
If none of the following sub-boxes is used, th	is sheet should not be included in the request.				
Name and address: (Family name followed by given name: for a ladsignation. The address must include postal code and name of cour address indicated in this Bax is the applicant's State (that is. country) of residence is indicated below.) LIVINGSTONE Mark Alexander c/o Phoqus Ltd. 10 Kingshill Avenue Kingshill West Morling Kent ME19 4PQ, United Kingdom State (that is. country) of nationality: GB This person is applicant all designated the United State (that is. country) of nationality: Name and address: (Family name followed by given name: for a ladsignation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.) MONTIETH David 'Brookside' Failford S. Ayrshire KA5 5TF United Kingdom	applicant only X applicant and inventor				
State (that is, country) of nationality:	State (that is, country) of residence:				
GB	GB				
This person is applicant all designated all designated for the purposes of:	States except the United States the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name; for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.)	gal entity, full official try. The country of the of residence if no State This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)				
State (that is, country) of nationality:	State (that is, country) of residence:				
This person is applicant all designated all designated for the purposes of:	States except the United States the States indicated in the Sof America only the Supplemental Box				
Name and address: (Family name followed by given name: for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.)	This person is: This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)				
State (that is, country) of nationality:	State (that is, country) of residence:				
This person is applicant all designated all designated for the purposes of:	States except the United States the States indicated in the Supplemental Box				
Further applicants and/or (further) inventors are indicated on another continuation sheet.					

- 1	Box I	No.V DESIGNATION OF STATES					
	The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):						
- 1	 I 110 14	onowing designations are nereby made under Rule 4.9(a) (mark ti	he applicable check-boxes; at least one must be marked):			
- 1	Regional Patent						
- 1	AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Flarare						
1	EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT						
	EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany						
	Convention and of the PCT						
ļ	OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any specify on dotted line) Netional Patent (6)						
N	ation	al Patent (if other kind of protection or treatment desired, sp	ecify on a	lotted line):			
1 12	AE	United Arab Emirates	- 	·			
12	AL	Albania		R Liberia			
15	AM	Г Агтепіа					
		At.	X L	l' Lithuania			
	AI	Austria	X L	U Luxembourg			
		Australia	X L	/ Latvia			
		Azerbaijan	- ⊠ M				
	BA	Bosnia and Herzegovina	TO M	A Morocco			
		Barbados		D Republic of Moldova			
	BG	Bulgaria	D M	G Madagascar			
1 178	RD	Brazil	LŽĮ MI	K The former Yugoslav Republic of Macedonia			
18	DV	Dalama	X	Mozambique			
		Belarus	Mi Kri	N Mongolia			
, —		Canada	☑ M	W Malawi			
		and LI Switzerland and Liechtenstein	DÂMO	K Mexico			
	CN	China	NO.	Norway			
	CR	Costa Rica	☑ NZ				
	CU	Cuba	N PL				
X	CZ	Czech Republic	= -				
	DE (Germany		Portugal			
X	DK 1	Denmark	₩ RO				
		Dominica	😡 RU	Russian Federation			
. —		Estonia	₩ SD	Sudan			
			X SE	Sweden			
1 = 1		Spain	⊠ SG	Singapore			
, —	FI 1	Finland	X SI	Slovenia			
		United Kingdom	⊠ sk	Slovakia			
		Grenada	⊠ SL	Sierra Leone			
Ø	GE (Georgia	⊠ TJ	Sierra Leone			
図(SH (Ghana	_	Tajikistan			
図(EM C	Gambia	=	Turkmenistan			
		Croatia	⊠ TR	Turkey			
			X TT	Trinidad and Tobago			
		Hungary	⊠ TZ	United Republic of Tanzania			
		ndonesia	₩ UA	Ukraine			
X I	L IS	srael	X UG	Uganda			
		ndia	☑ us	United States of America			
X I	S Ic	celand					
🛛 J	P Ja	apan	X uz	Tiphobiotem			
X K		-		Uzbekistan			
⊠ ĸ			⊠ VN	Viet Nam			
=			XI YU	Yugoslavia			
X K			🖾 ZA	South Africa			
			🛛 zw	Zimbabwe			
X K	R R	epublic of Korea	Check-	DOXES reserved for designating States which have			
XK	Z K	azakhstan	become	party to the PCT after issuance of this sheet:			
				l e e e e e e e e e e e e e e e e e e e			
		•	רסו	Antigua and Barbuda			
				···Algeria·····			
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmed before the expiration of 15 months from the scope of this statement.							
designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)							

Sh	eet	No.	4		

Box No. VI PRIORITY C	LAIM	Further pr	Further priority claims are indicated in the Supplemental Box				
Filing date Number		}	Where earlier application is:				
of earlier application (day/month/year)	of earlier application	national application:	regional application:*	international application:			
item (1)		country	regional Office	receiving Office			
19/05/1999	9911546.1	GB					
item (2).			 				
item (3)							
of the earlier application(s) (only if the earlier at	ransmit to the International Bupplication was filed with the is the receiving Office) identified	Office which for the				
• Where the earlier application is a Canvention for the Protection of Inc.	n ARIPO application, it i	s mandatory to indicate in the Si	applemental Box at least one	country party to the Paris			
	NAL SEARCHING A		ed (Rule 4.10(b)(ii)). See Su	pplemental Box.			
Choice of International Search	ing Authority (ISA)						
(if two or more International Sea competent to carry out the interna the Authority chosen; the two-letter of	rching Authorities are titional search, indicate	Request to use results of ear search has been carried out by or Date (day/month/year)	requested from the internati	onal Searching Authority):			
ISA/		oute rady monney cury	ramoei .	Country (or regional Office)			
Box No. VIII CHECK LIST	· LANCHACE OF FI	II INC					
This international application co		ional application is accompa	aind bush in a car				
the following number of sheets	:	lculation sheet	nied by the item(s) marke	d below:			
	4 -	ite signed power of attorney		•			
description (excluding 1) sequence listing part) :	8 1 -	of general power of attorney;	reference number if any				
= = =		ent explaining lack of signate		•			
· ·	4 i	y document(s) identified in B					
drawings :		tion of international application					
sequence listing part	i i	te indications concerning dep		other biological material			
of description :		tide and/or amino acid seque					
Total number of sheets: 33							
Figure of the drawings which should accompany the abstract:		Language of filing of the international application:					
	F APPLICANT OR A						
Next to each signature, indicate the nam	e of the person signing and t	he capacity in which the person sign	s (if such capacity is not obvio	us from reading the request).			
Mithau							
MARTIN G. HORNER							
1. Date of actual receipt of the		r receiving Office use only =		2. Drawings:			
international application: 3. Corrected date of actual receipt due to later but				received:			
the purported international application:							
4. Date of timely receipt of the required corrections under PCT Article 11(2):							
5. International Searching Auth- (if two or more are competen	onty t): ISA/	6. Transmitta until searc	al of search copy delayed th fee is paid.				
Date of receipt of the record copy by the International Bureau use only by the International Bureau:							
				·			

Form PCT/RO/101 (last sheet) (July 1998: reprint January 2000)

See Notes to the request form